

FILE NOTATIONS

Entered in MID File
 Location Map Pinned
 Card Indexed

Checked by Chief
 Approval Letter
 Disapproval Letter

COMPLETION DATA:

Date Well Completed 5-2-76

OW..... WW..... TA.....
 GW..... OS..... PA.....

Location Inspected

Bond released
 State or Fee Land

LOGS FILED

Driller's Log.....

Electric Logs (No.)

E..... I..... Dual I Lat..... GR-M..... Micro.....

BHC Sonic GR..... Lat..... MI-L..... Sonic.....

CHLog..... CULog..... Others.....

December 26, 1975

U.S. Geological Survey
Attn: Mr. Ed Gwynn, Dist. Engineer
125 South State
Salt Lake City, Utah

Dear Sir:

Application for permit to drill for Petro-Wells Inc. a Utah corporation in the NW₁ of Sec. 15, T. 21 S.; R. 23 E. in Grand County, Utah is set forth on Form 9-331 C. This letter is to set forth the 12 point program and further details in support of this application.

1. Existing roads;

The attached photo copy of the U.S.G.S. Topo map indicates the main highways, state and county roads. Existing area roads bring us to within a quarter of a mile of the location of the Petro-Wells Inc., Curtis-Gov'n't 15-1.

2. Planned access roads

Operator plans to use an old abandon road in the area, however a culvert will be need to cross a deep wash which will permit drainage into Cisco Wash.

3. Location of existing wells.

Shown on U.S.G.S. Topo map.

4. Lateral roads

Covered in # 1 & # 2

5. Location of future tank batteries.

Items shown on rig layout plat.

6. Water Supply

Nash wash 7 miles northwest of location.

7. Waste disposal

Liquid wastes will go into the reserve pit. Solid wastes will be hauled away from location when drilling is completed.

8. Location of camp.

Not required.

9. Location of Air Strip.

Not required.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☐DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Petro-Wells Inc.

3. ADDRESS OF OPERATOR

P.O. Box 17054, Salt Lake City, Utah 84117

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

2280' EWL & 1450' SNL Sec. 15 T.21S. R. 23E.

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

8 miles northwest of Cisco, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drig. unit line, if any) 360'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

Sec. 10

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

TV #25, 2500'

1300'

23. 4393' GR.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
10"	7 5/8"	26.40	150'	75 sacks
6 3/4"	4 1/2"	9.50	1300'	95 "
4 1/2"	2 3/8" Tubing	2.40	1290'	

Anchored on Henderlitter
well head.

The operator Petro-Wells Inc. plans to drill the 15-1 exploratory test well thru the Lower Cretaceous sandstones and into the upper Jurassic Morrison section, as set forth in the 12 point program on the attached letter A 10" hole will be drilled to 160' and set 150' of 7 5/8" casing. The balance of the hole will be drilled with a 6 3/4" bit and run a 4 1/2" production string if commercial oil & or gas is discovered. Completion will follow as set forth in the 7 point program. In the event there is no oil & or gas the well will be P & A as per USGS regulations.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE

DATE

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

7-Point Well Completion Program

1. Casing

Operator will set and cement 5 joints of 150' used J55, 26.4# 7 5/8" surface casing into the calcareous shale zone of the mancos shale. A string of 4 1/2" production casing 9.5# will be run from surface to total depth and cemented through the pay zone. An oil saver tool will be used for logging and perforating and for swabbing if required.

2. Casing head and flanges

A Henderlitter wellhead will be installed on the 4 1/2" casing. The complete head is a S W type 4 1/2"-2 3/8" with two 2" line pipe outlets, tested to 2000#. A 2" 2000# high pressure gate valve will be installed on the 2 3/8" tubing and a permanent line choke installed on the flow line to the separator. The 7 5/8" surface casing will be flanged to receive a Regas Torous B.O.P. and Ruker Acme rotating head.

3. Intermediate Casing.

Not required.

4. Blowout Preventer

Drilling contractor will install a Regas Torous B.O.P. or equivalent. The Regas B.O.P. is a gas operated bag type tested to 6000# with two 2" fill and kill lines stubbed into a 7 5/8" casing.

5. Auxiliary Equipment

a 3 1/2" sub with 2" valve outlet will be stabbed into drill pipe for testing and cementing.

6. Bottom Hole Pressures

Some wells in the Cisco area have encountered high pressures for shallow depth wells. The operator is prepared to handle pressures up to 800#.

7. Drilling fluids

The operator will drill surface hole with gel base drilling mud. Compressed air and air mist will be utilized as a circulating medium until water or oil is encountered--at such time weighted drilling mud up to 15# per gal if required, will be used to drill the balance of the hole, run casing and log.

2471 TAKE CILX 01111

DEC 31 1962

RECEIVED
OIL FIELD DIVISION
U.S. GEOLOGICAL SURVEY

E. Bwynn
Dec. 26, 1975

10. Rig layout

Refer to plat of rig and tank battery layout.

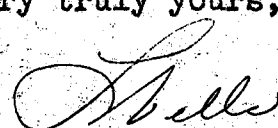
11. Surface restoration plans

When drilling is completed on the Curtis Govt' 15-1 and equipment is removed from location, surface area will be graded, mud pits filled and areas not needed in well location will be restored and reseeded as per BLM requirements. Well location sign with necessary well information will be posted and lease maintained.

12. Other information.

See information on 7-point well completion program.

Very truly yours,


Lewis F. Wells

C
O
P
Y

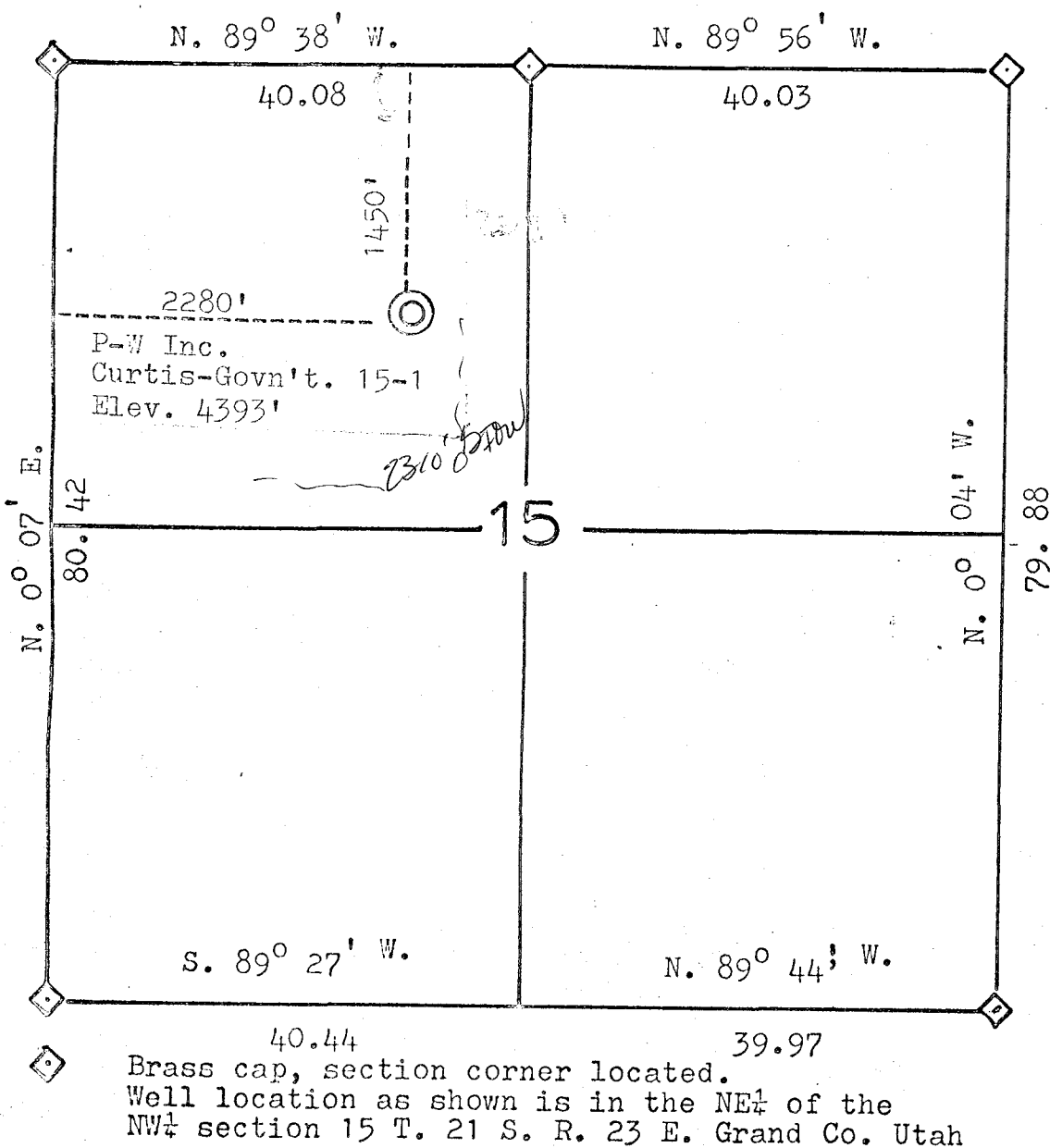
2411746 C11A R14H

DEC 31 1975

RECEIVED

DEC 31 1975
U.S. DEPARTMENT OF THE INTERIOR

T. 21 S. R. 23 E. S.L.B.M.



This is to certify that this plat was prepared from field notes of actual survey made Nov. 12, 1975, and that the same is true and correct to the best of my knowledge and belief.

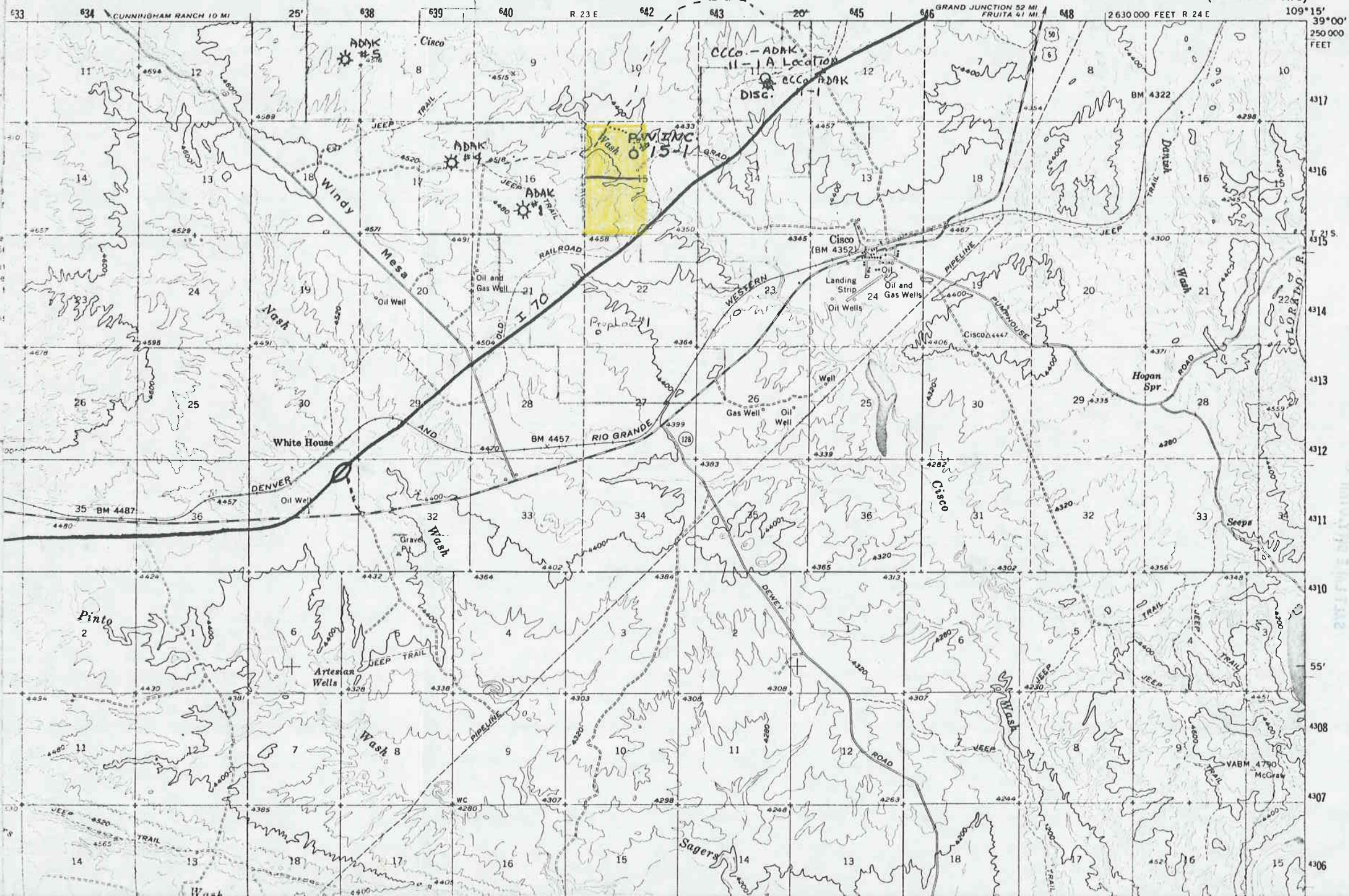
[Signature]
Certified Professional Geologist 766

PETRO-WELLS INC. P. O. Box 17054 SALT LAKE CITY, UTAH 84117	
Scale 1" = 1000'	DATE <i>Dec 15 1975</i>
Base Ref. GLO Plat	Approved, <i>[Signature]</i>
Revised	

RIOR

UNITED STATES
ATOMIC ENERGY COMMISSION

CISCO QUADRANGLE
UTAH-GRAND CO.
15 MINUTE SERIES (TOPOGRAPHIC)



DIVISION OF OIL, GAS, AND MINING

FILE NOTATIONS

White

Date: Jan. 12, 1946
Operator: Petro-Will Inc.
Well No: Curtis GN't. 15-1
Location: Sec. 15 T. 21S R. 23E County: Grand

File Prepared



Entered on N.I.D.



Card Indexed



Completion Sheet



Checked By:

Administrative Assistant:

AW

Remarks: STOW SEISMIC,

2310' FUL & FUL

de P

Petroleum Engineer/Mined Land Coordinator:

Remarks:

Director:

7

Remarks:

Include Within Approval Letter:

Bond Required

☐

Survey Plat Required

☐

Order No.

102-5

☒

Blowout Prevention Equipment

☐

Rule C-3(c) Topographical exception/company owns or controls acreage within a 660' radius of proposed site

☐

O.K. Rule C-3

☒

O.K. In

Unit

☐

Other:

☐

Letter Written

January 13, 1976

Petro-Wells Inc.
P.O. Box 17054
Salt Lake City, Utah 84117

Re: Well No. Curtis Govt. 15-1
Sec. 15, T. 21 S, R. 23 E,
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the Order issued in Cause No. 102-5.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PATRICK L. DRISCOLL - Chief Petroleum Engineer
HOME: 582-7247
OFFICE: 533-5771

Enclosed please find form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

The API number assigned to this well is 43-019-30271.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
DIRECTOR

CBF:sw

DESIGNATION OF OPERATOR



The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Salt Lake City, Utah
SERIAL NO.: USA U-0148172

and hereby designates

NAME: Petro-Wells Inc. ✓
ADDRESS: P.O. Box 17054
Salt Lake City, Utah 84117

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 21 South, Range 23 East, Grand Co. Utah

Section 15, N $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$, W $\frac{1}{2}$ and N $\frac{1}{2}$ SE $\frac{1}{4}$

Containing 520 acres, more or less

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

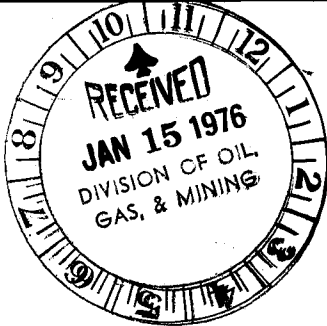
The lessee agrees promptly to notify the supervisor of any change in the designated operator.

Hugh W. Coulter Lewis Shell
(Signature of lessee)

January 10, 1976
(Date)

4935 Holladay Blvd.

Salt Lake City, Utah 84117
(Address)



Rule 30 CFR 221.20 requires well shall not be drilled closer than 200 ft. from the lease boundary or 200 ft. from any legal sub-division without adequate reasons or consent.

District Oil and Gas Engineer
U. S. Geological Survey
Conservation Division
8416 Federal Building
Salt Lake City, Utah 84138

In Re: Stipulation

Dear Sir:

Hugh N. Coltharp & Lewis F. Wells

is the owner of U. S. Oil and Gas Lease U-0148172, and proposes to drill a well on the leased premises to test for oil and gas at a location in the NE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 15, T. 21 S, R. 23 E, SL Mer., Grand County, State of Utah, 1450' from North line and 2280' from West line of Section 15.

Section 221.20 of the Federal Oil & Gas Regulations requires that no well be drilled less than 200' from the boundary of any legal subdivision without the written consent of the Supervisor, U.S. Geological Survey. The proposed location is approximately 128' from the north boundary line of the SE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 15, but is considered to be necessary because of The location of Cisco Wash the main drainage channel for this area.

Therefore, Hugh N. Coltharp & Lewis F. Wells, lessee, requests the consent of the Supervisor to the drilling of the proposed well at the above described location. In consideration of such consent, Hugh N. Coltharp & Lewis F. Wells, lessee hereby expressly covenants and agrees that he will make no separate assignments of the NE $\frac{1}{4}$ NW $\frac{1}{4}$ and the SE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 15, T. 21 S, R. 23 E, SL Mer., and that he will keep the two described subdivisions under joint assignment until the above mentioned well has been plugged and abandoned with the approval of the Supervisor.

Very truly yours,

Hugh N. Coltharp Lewis F. Wells

PLEASE SUBMIT IN TRIPLICATE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. USA U-0148172		
TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
NAME OF OPERATOR Petro-Wells Inc.			7. UNIT AGREEMENT NAME		
ADDRESS OF OPERATOR P.O. Box 17054, Salt Lake City, Utah 84117			8. FARM OR LEASE NAME U V Ind.		
LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) 2280' EWL & 1450' SNL Sec. 15 T.21S. R. 23E.			9. WELL NO. Curtis-Gov'n't No. 15-1		
t surface 2280' EWL & 1450' SNL Sec. 15 T.21S. R. 23E.			10. FIELD AND POOL, OR WILDCAT Wildcat		
t proposed prod. zone Same			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 15, T. 21S. R. 23E. SLM		
DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 8 miles northwest of Cisco, Utah			12. COUNTY OR PARISH Grand		
DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. Also to nearest drig. unit line, if any) 360'			13. STATE Utah		
DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. JV #25, 2500'			17. NO. OF ACRES ASSIGNED TO THIS WELL 160		
ELEVATIONS (Show whether DF, RT, GR, etc.) 4393' GR.			19. PROPOSED DEPTH 1300'		
			20. ROTARY OR CABLE TOOLS Rotary- air		
			22. APPROX. DATE WORK WILL START* Jan. 25, 1976		

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
10"	7 5/8"	26.40	150'	75 sacks
6 3/4"	4 1/2"	9.50	1300'	95 "
4 1/2"	2 3/8" Tubing	2.40	1290'	Anchored on Henderliter well head.

The operator Petro-Wells Inc. plans to drill the 15-1 exploratory test well thru the Lower Cretaceous sandstones and into the upper Jurassic Morrison section, as set forth in the 12 point program on the attached letter. A 10" hole will be drilled to 160' and set 150' of 7 5/8" casing. The balance of the hole will be drilled with a 6 3/4" bit and run a 4 1/2" production string if commercial oil & or gas is discovered. Completion will follow as set forth in the 7 point program. In the event there is no oil & or gas the well will be P & A as per USGS regulations.



NOTE: ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout test program, if any.

SIGNED Lewis J. Still TITLE President DATE Jan 26, 76

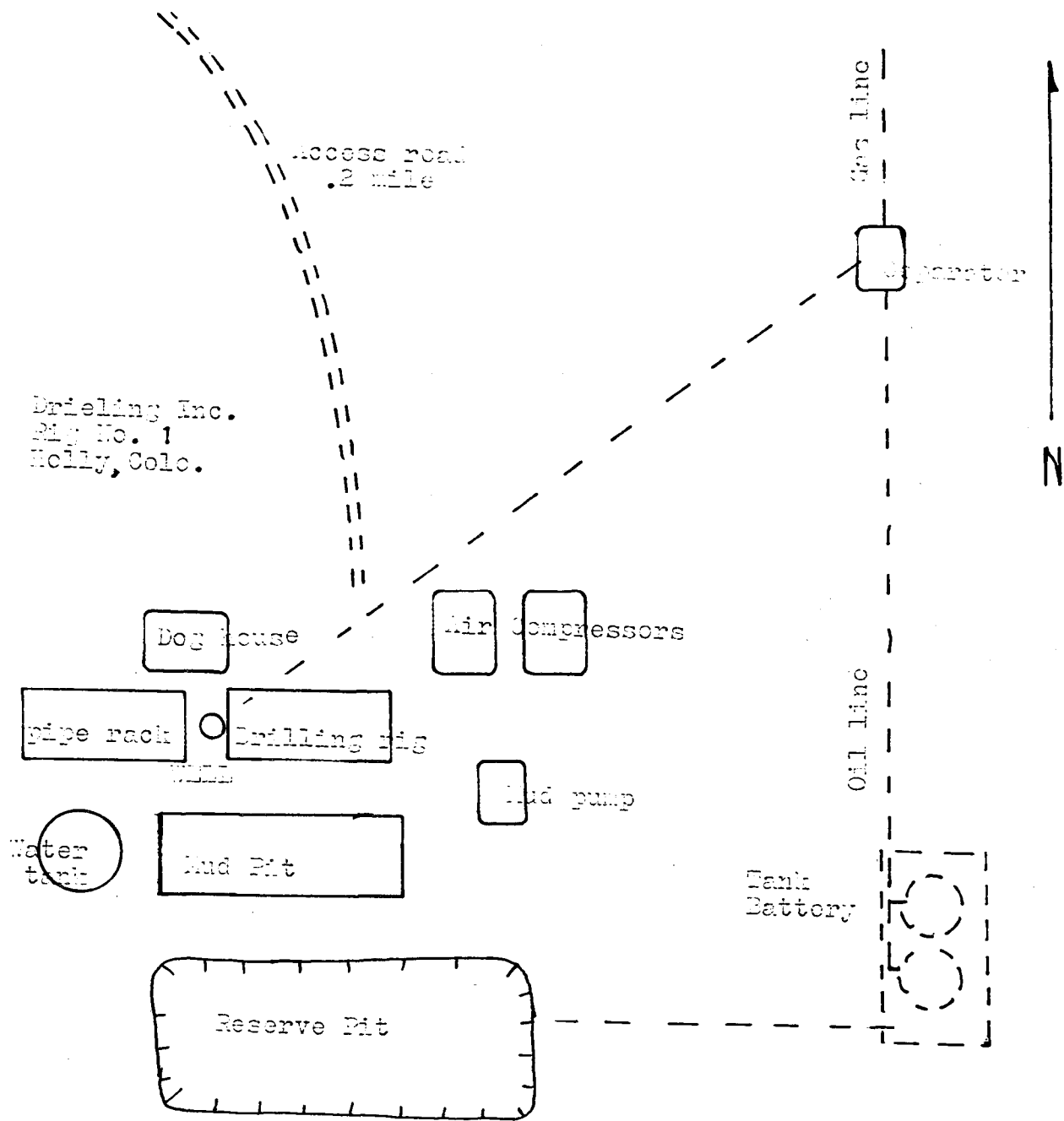
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PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY E. W. Symmer TITLE DISTRICT ENGINEER DATE JAN 23 1976
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Approval Notice - State Oil & Gas - SLC

RIG LAYOUT PLAN



Petro-Wells Inc.
Salt Lake City, Utah
Curtis-Gov't No. 15-1
Sec. 15. T.21 N. R. 23 E.
Grand County, Utah

Scale 1" = 30'

Lewis F. Wells



United States Department of the Interior

IN REPLY REFER TO
3100
(U-060)

BUREAU OF LAND MANAGEMENT
Moab District
Grand Resource Area
446 South Main
Moab, Utah 84532

January 20, 1976

Mr. Ed. Guim
District Engineer
USGS, Cons. Div.
8426 Federal Bldg.
Salt Lake City, Utah 84138

SUBJECT LOCATION: Petro Wells Inc. Well No. 15-1 NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 15
T. 21 S., R. 23 E., SLBM

Dear Ed,

On January 15 Dan Naegle from this office and Ron Alexander from USGS met to inspect the above mentioned location. It was decided that item #2 of the 12 point plan should be changed from putting in a culvert to making a dry wash crossing. Two other items which should be included as part of the surface management plan are: 1) If drilling operations begin before April 1st all pits must be fenced to keep out both sheep and cattle. 2) If this well becomes a producing well the operator will have to up grade and maintain the access road. With the addition of these two stipulations we are approving the surface management part of the application for permit to drill.

Sincerely yours,

Dee Wangerd
Area Manager



Save Energy and You Serve America!

(2) Date and time of nipple-up of BOP and control lines after setting surface casing. This hook-up and testing will be inspected prior to drilling out of surface casing.

(3) Any problems associated with well control (i.e., gas cut mud in returns, increases in mud weight, etc.).

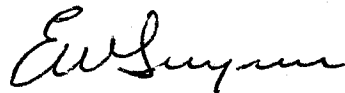
(4) Date and time of total depth reached.

(5) Date and time of logging and running casing. A lubricator must be rigged for logging.

(6) Date, time and method of perforating for production. A lubricator must be rigged for perforating.

(7) Date and time of swabbing or well testing. A lubricator must be rigged for any swabbing operations.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "E. W. Guynn".

E. W. Guynn
District Engineer

ADDITIONAL CONDITIONS OF APPROVAL

Petro Wells, Inc. Curtis-Gov't Well No. 15-1
2280' FWL and 1450' FNL, Sec. 15-21S-23E
Grand County, Utah
Oil and Gas Lease U-0148172

It is suggested that all conditions of approval be
reviewed with all operating personnel

In addition to the attached standard conditions of approval, the following additional conditions of approval will apply to this Application for Permit to Drill:

(1) A mud weight balance and viscosity funnel and cup will be maintained on the location at all times. Mud weights will be checked frequently and entered in the tour book at least twice each tour unless gas cutting is detected, then drilling shall cease. Continuous surveillance will then be applied to the circulating mud until gas cutting is under control. Drilling breaks are good indicators that a pressured zone may be encountered. Bottoms should be circulated up if a drilling break is encountered.

(2) If well is air drilled, sufficient mud materials and water for a volume of $2\frac{1}{2}$ times the hole capacity of 16#/gal mud will be on location prior to drilling out of surface casing.

(3) a. Fill and kill line with valve and relief line with valve and choke will be connected to the two two-inch outlets on the casing head. Relief line will be staked down to pit.

b. BOP will be installed and a. and b. tested to 1000 psi prior to drilling out of surface casing.

(4) All drilling will be performed with rotating head with stripper rubber installed on BOP.

(5) If well is air drilled, the blooie line will extend far enough from the rotating head and in the proper direction with prevailing winds to assure safe operations. Drilling rig must be equipped with explosion proof lighting.

(6) All logging and perforating or any other wire line work will be performed with BOP and a lubricator to accept the full tool length installed.

(7) a. Overnight shut-downs will not be allowed where there is any flow from the well while air drilling. If mud is used as a drilling media, shut-downs overnight will be allowed providing (1) the hole is

circulated bottoms up with adequate mud weight to contain formation pressures, (2) the hole will stand full with no flow, (3) the blind rams are closed on the BOP, (4) the fill, kill and choke lines valves are closed, (5) if the operator decides drill pipe can be left in the hole overnight, the pipe rams must be closed about the drill pipe and a drill pipe safety valve must be installed in the drill pipe box above the rotary table and, (6) the drill pipe must be snubbed to the casing head.

✓ b. The rig and operations will not be left unattended at any time after spud whether shut-down or operating.

(8) BOPs with proper rams will be utilized while running casing.

(9) A float shoe or float collar will be installed in the production casing string.

(10) Casing will be filled with mud after each three joints (mud-filled hole).

(11) While making trips with mud as drilling media, the hole will be filled with mud each five joints of drill pipe pulled. No drill pipe will be pulled while filling hole or with mud pump running. A flow-no flow check will be made after each fill-up prior to resuming pulling of drill pipe.

(12) A full opening and open valve with adapter sub for use as a drill pipe safety valve in the event of emergency will be maintained on the rig floor at all times.

(13) Any unusual problems will be reported to this office. Loss of well control or difficulty in maintaining well control will be reported immediately.

(14) No direct flame heating will be permitted at any time. Steam heat with boiler is preferred. Boiler should be safe distance and up wind to prevailing winds from the rig.

Operations conducted in the manner of CCCo. Adak Well No. 11-1 or 11-1A will not be tolerated. Immediate shut-in orders will be issued. Operations will then not be allowed to continue until a complete and detailed written procedure of operations is submitted and approved, and then operations may continue only with step-by-step witnessing of these operations by a representative of this office on-site.



United States Department of the Interior

GEOLOGICAL SURVEY
Conservation Division
8426 Federal Building
Salt Lake City, Utah 84138

January 23, 1976

Petro-Wells, Inc.
P.O. Box 17054
Salt Lake City, Utah 84117



Re: Curtis-Gov't Well No. 15-1
SE/4 NW/4 Sec. 15-21S-23E, SLB&M
Grand County, Utah
Oil and Gas Lease U-0148172

Gentlemen:

Enclosed is your copy of the approved Application for Permit to Drill. This application was approved January 23, 1976. The referenced lease expiration date is midnight January 31, 1976. Actual drilling operations must be conducted across the expiration date and diligently pursued to earn a two year drilling extension of the lease term. If these operations result in a well capable of production in paying quantities the lease can be extended by virtue of this well.

Your attention is directed to the Conditions of Approval and the Additional Conditions of Approval attached to approved Application for Permit to Drill for this well. It is suggested that you review all conditions of approval with the operating personnel - contractors and sub-contractors. As you are aware, this well falls in near proximity to the Adak Wells No. 11-1 and 11-1A. The loss of well control of Well No. 11-1 followed by the loss of well control of Well No. 11-1A is a failure to utilize experience gained, is a waste of the resource, creates a hazard to personnel, equipment and materials and is detrimental to environmental protection. The knowledge of reservoir conditions at the proposed depth and the experience gained in operations with Wells No. 11-1 and 11-1A is certainly adequate assurance that the utmost of precautionary measures must be and, can be, taken in drilling and completing this well.

As we have discussed, this office will not tolerate the laxity of supervision and applied existing technology for well control to these operations. If necessary and with well control problems, step-by-step procedures must be submitted for approval and all operations on this well will be witnessed by an on-site inspector.

Please advise this office of the following:

- (1) Date and time of spud.

State 086-

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U- 0148172

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cisco Wildcat

9. WELL NO.

Curtis Gov't 15-1

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 15, T. 21 S R 23 E

14. PERMIT NO.

45-019-00271

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4393' GR

12. COUNTY OR PARISH

Grand

13. STATE

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The Curtis Gov't 15-1 well is at 573' TD. 156 feet of 7" casing was set and cemented back to surface. The contractor stuck drill pipe and collars 15' off bottom and has attempted to recover pipe, collars, string shot and bit in fishing operations for the past 10 days. 423' of drill pipe was recovered but removal of the balance of the pipe and collars was unsuccessful. He now proposes to set a 4.5 barrel sand-cement slurry with 2% CaCl set at 423' or top of the fish in the 6" hole. This slurry plug should provide 100' of hole fillup. The operator plans to let the sand-cement plug set for 24 hrs then drill off with 2 7/8" drill pipe and proceed as programmed on the original application for permit to drill.

Verbal approval
to proceed with this program was given at 10:59 a.m. February 13, 1976 by Ed Gwynn, District Engineer, U.S.G.S.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: Feb 13 1976

BY: [Signature]

18. I hereby certify that the foregoing is true and correct

SIGNED

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE February 13, 1976

DATE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-0148172

6. IF INDIAN, ALLOTTEE, OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cisco Wildcat

9. WELL NO.

Curtis #1 15-1

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 15 T. 21 S R 23 E

14. PERMIT NO.

43-019-30271

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4393' Gr

12. COUNTY OR PARISH

Grand

13. STATE

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

Cementing
(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Cement plug #2 was set with the services of Fleet Cementers of Grand Junction, Colo. This was a 30 sack cement plug mixed with 900# of #20 mesh frac sand and 3% CaCl. Plug was down Feb. 20 at 4:45 p.m. Operator plans to let plug set for 72 hours. During this time while cement is curing, the Hole Master Rig from Himes Drilling Co. of Grand Junction, Colo. will be moved off location, as this rig does not have sufficient pumping facilities for the heavy barite mud required to drill into the top of the Dakota ss. or sufficient draw works to safely pull and jar on the fish (drill pipe, drill collars and bit presently stuck at 578'). R. C. Co., drilling contractor from Casper, Wyoming will move in a National 30 rig with a 96' L.C. Moore mask. This change over should take approximately 5 days and will provide a greater capability for recovering the fish and resuming drilling operations.

Program will proceed as discussed in telephone conversation 2/20/76 at 2:05 p.m. with Mr. Ed Gwynn, District Engineer, U.S.G.S.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

DATE

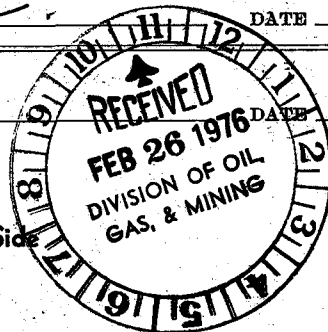
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APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPlicate
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.5. LEASE DESIGNATION AND SERIAL NO.
U-0148172

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	6. IF INDIAN, ALLOTTEE OR TRIBE NAME P
2. NAME OF OPERATOR Petro-wells, Inc.	7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P.O. Box 17054, Salt Lake City, Utah 84117	8. FARM OR LEASE NAME Cisco Wildcat
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SE NW Sec. 15, T 21 S, R 23 E, Grand County	9. WELL NO. Curtis Gov't 15-1
14. PERMIT NO. 43-019-30271	10. FIELD AND POOL, OR WILDCAT
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4393' Gr.	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 15 T 21 S R 23 E
	12. COUNTY OR PARISH Grand
	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Report of operations on Petro-wells, Inc. 15-1

Feb. 21, 1976 HIMES Drilling Co., Grand Junction, Colo. abandoned hole and footage contract after losing tools in 6 1/2" hole and being unable to retrieve fish. R.C. Co. will bring in rotary Wilson 30 Rig from Casper.

Feb. 26. R.C. Co., Casper, Wyo. moved in first load of equipment.

Feb. 28. Trailer mounted rig left Casper. Held up at Baggs Wyo. for 4 days due to icy road conditions with the over width and over weight load. Delayed two more days in Craig, Colo. due to hazardous and icy roads. Arrived Cisco Saturday, March 6.

March 7 and 8. Rigging up. Hooked up mud pump and conditioned mud Mar 9.

March 10. Set rotary substructure and table. 11-12 shut down to realine and weld rotary table. 13-14 started string and bit down hole, hit cement bridge in surface casing at 180'.

March 15. Could not break circulation. Pressure up to 750#. Came out of hole with plugged bit, returned to top of cement plug. Broke all hose connections.

16th. Replaced hose connections on mud pump and Kelly. 17th Back on bottom. regained circulation, drilled hard cement at 12-15 MPH to 233'.

March 18. Drilling out cement plug 233' to 292' 100% cement samples. 19th drilling out cement plug 292' to 345'. (over)

18. I hereby certify that the foregoing is true and correct

SIGNED

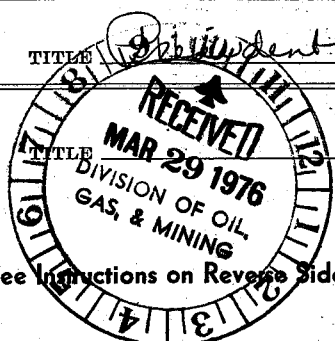
TITLE

DATE

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:



*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR Petrol-Wells Inc.		8. FARM OR LEASE NAME Cisco Wildcat	
3. ADDRESS OF OPERATOR P.O. Box 17054 Salt Lake City, Utah 84117		9. WELL NO. Curtis Gov't 15-1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface SE NE $\frac{1}{4}$ Sec. 15, T 21 S, R 23 E, Grand County, Utah		10. FIELD AND POOL, OR WILDCAT	
14. PERMIT NO. 43-019-30271		15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4393 Gr.	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 15 T 21 S, R 23 E		12. COUNTY OR PARISH Grand	
13. STATE Utah			

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

March 25. Drilling contractor, R.C. Co., Casper Wyoming, after four days of fishing and drilling out second cement plug, twisted off pin on a 2 7/8"-3 1/2" change over sub. Operator now proposes to abandon hole 15-1 with a T.D. of 578' and top of fish at 382'. Verbal permission was granted 3/26/76 by U.S.G.S. Engineer, Ed Gwynn to abandon well and set a 20 sax plug at top of fish 382; a 15 sax plug at base of 7" casing and set a surface plug with a welded cap over 7" casing 3 feet below ground level, cover, then skid rig 25 feet north and start a new hole, 15-1A under same program as for the 15-1 well. There would be no new or additional surface disturbance in the 25 foot location change. Attached are copies of revised survey plat.



18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

DATE

3/26/76

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U0148172

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cisco

9. WELL NO.

5
Curtis-Gov't # 14-1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

SE1 NW1 Sec. 15, T 21 S
R 23 E.

12. COUNTY OR PARISH 13. STATE

Grand

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Petro-Wells Inc.

3. ADDRESS OF OPERATOR

P.O. Box 17054, Salt Lake City, Utah 84117

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface 2280' E/W line & 1450' S/N line Section
15, T.21 S, R. 23 E; SLBM

14. PERMIT NO.

43-019-30271

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4393' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

II

X

(Other)

WATER SHUT-OFF

☐
☐
☐
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT

☐
☐
☒
☒

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

I
The Curtis Gov't No. 15-1 was approved for abandonment on 3-26-76. Fleet Cementers of Grand Jtc. Colo. set 3 Mono Type "G" cement plugs on Sat. 27 as follows: 1) 20 sack plug at 382', top of 3" drill pipe (fish). 2) 15 sack plug at 154', base of the 7" casing. 3) 5 sack plug at the top of the 7" casing which was cut off 3' below ground level and a steel plate welded over casing to cap the hole.

II
The R C Co. rig was then moved 25' north of the 15-1 abandon hole. Operator will have drilling contractor rig up on 15-1A, drill a 9" surface hole to 170' and set a minimum of 150' of 7" casing.



APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: April 4, 1976

BY: P. H. Inscall

18. I hereby certify that the foregoing is true and correct

SIGNED

M. J. Mills

TITLE

Pres.

DATE

3-29-76

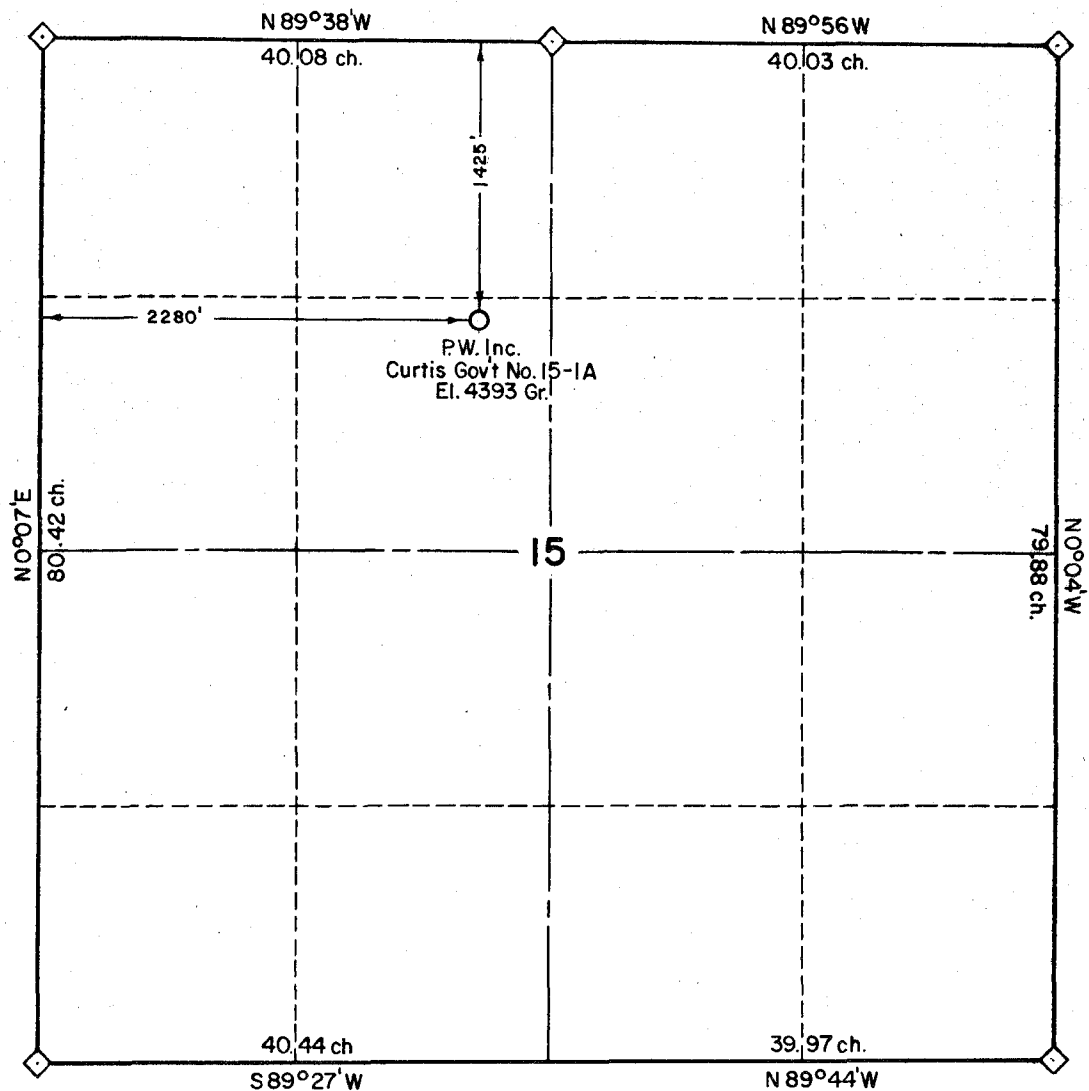
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APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



◇ Brass cap—Section Corner located. Well location as shown is in the NE 1/4, SE 1/4, NW 1/4, Section 15, T 21S—R 23E, Grand County, Utah.



This is to certify that this plat was prepared from field notes of actual survey made Nov. 12, 1975 and that the same is true and correct to the best of my knowledge and belief.

Stella
 Certified Professional Geologist
 No 766

PETRO-WELLS INC.
 P. O. BOX 17054
 SALT LAKE CITY, UTAH

Scale : 1 in. = 1000 Ft. Date : 3-27-76

Revised : 3-26-76 Approved :

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U 0148172

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL <input checked="" type="checkbox"/> WELL GAS <input checked="" type="checkbox"/> WELL OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Petro-wells, Inc.		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. Box 17054, S.D.C. Utah 84117		8. FARM OR LEASE NAME Cisco Wildcat	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface Sec. 15, T 21 S, R 23 E, Grand County		9. WELL NO. Curtis 15-1	
14. PERMIT NO. 43-019-30271		15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4393' Gr.	
12. COUNTY OR PARISH Grand		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input checked="" type="checkbox"/> Setting 7' surface	

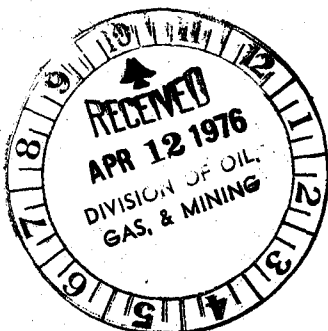
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

4/8/76 Operator set 151.65', 4 joints of new J-55, 23" 7" surface pipe in 9" hole, Drilled to 155'. 7" was landed at 152'. Fleet Cementers of Crane Junction, Colo. cemented pipe with 35 sacks of type "G" cement with 35 GtCl added. Returned to surface and plug down at 3:10 p.m.

4/8/76 Operator will let cement set 24 hrs. before drilling out.

4/9/76 M.O.C.



18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

DATE

(This space for Federal or State office use)

APPROVED BY

TITLE

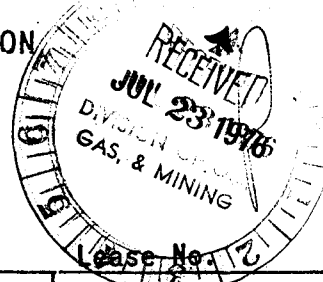
DATE

CONDITIONS OF APPROVAL, IF ANY:

U.S. GEOLOGICAL SURVEY, CONSERVATION DIVISION

FROM: DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH.

TO: DISTRICT ENGINEER, SALT LAKE CITY, UTAH



Well Petro-Wells, Inc. Location

U. V. Ind. Curtis-Gov't No. 15-1	2280' FWL, 1450' FNL, sec. 15, T.21S, R.23E, SLM, Grand Co, Utah, Gr. El. 4393',	U-0148172
-------------------------------------	---	-----------

- Stratigraphy and Potential Oil and Gas Horizons.** The surface formation is Mancos. Adak Energy Corp. #1 in sec. 16, same township, reported the following tops: Dakota-746', Morrison-930', Salt Wash-1394', Summerville-1430', Entrada-1515'.

 The C C Co. #11-1A NWSE, sec. 11, T.21S, R.23E, reports tops Dakota-740, Cedar Mtn.-924, Buckhorn-1085, Morrison-1105, TD-1126.
- Fresh Water Sands.** WRD reports from sec. 29, T. 20 S., R. 24 E. "Usable water, fresh or slightly saline, may occur in sandstone units of the Mancos Shale, Dakota Sandstone, and the conglomerate member of the Cedar Mtn. Shale. Moderately saline water occurs in the sandstones of the Morrison Formation in this area." Important water sands noted: Well-A. Lansdale #2 (Gr. El. 4430') sec. 10, between 1280'-1287', A. Lansdale #1-A (Gr. El. 4434') sec. 10 between 840'-871', and A. Lansdale #5 (Gr. El. 4444') sec. 10, between 874'-892'. Quality and quantity unknown.
- Other Mineral Bearing Formations.**
 (Coal, Oil Shale, Potash, Etc.)

 None. In bulletin 852 Fisher commented: "Inasmuch as the area embraced in Tps. 19, 20, and 21 S., Rs. 22 and 23 E., and the southern part of T. 18 S., R. 23 E., contains no coal resources of any value, it is discussed as a unit for the sake of brevity."
- Possible Lost Circulation Zones.** Unknown.
- Other Horizons Which May Need Special Mud, Casing, or Cementing Programs.** Protect all fresh water aquifers.
- Possible Abnormal Pressure Zones and Temperature Gradients.** Unknown.
- Competency of Beds at Proposed Casing Setting Points.** Weathered shale will cave.
- Additional Logs or Samples Needed.** None.
- References and Remarks** Within 2 mile radius of KGS.

State Oil & Gas

Date: July 22, 1976 Signed: B.R. Alta for E. Bee

~~#~~ 065

BLM - Neq9/4
USGS - Alexander
Petro-wells - Wells

☐ Enhance
☐ No Effect
☒ Minor Impact
☒ Major Impact.

Well # 15-1 SENW Sec 15-21S-23E U-0148172 Grand County Utah 1-15-75 BLM - Neely USGS - Alexander Petro-Wells - Wells <input type="checkbox"/> Enhance <input type="checkbox"/> No Effect <input checked="" type="checkbox"/> Minor Impact <input checked="" type="checkbox"/> Major Impact.		Construction				Pollution				Drilling Production				Transport Operations		Accidents		Others			
		Roads, bridges, airports	Transmission lines, pipelines	Dams & impoundments	Others (pump stations, compressor stations, etc.)	Burning, noise, junk disposal	Liquid effluent discharge	Subsurface disposal	Others (toxic gases, noxious gas, etc.)	Well drilling	Fluid removal (Prod. wells, facilities)	Secondary Recovery	Noise or obstruction of scenic views	Mineral processing (ext. facilities)	Others	Trucks	Pipelines	Others	Spills and leaks	Operational failure	
Land Use	Forestry	NA																			
	Grazing	✓ 0				/ /			/							/			/ /		
	Wilderness	NA																			
	Agriculture	NA																			
	Residential-Commercial	M																			
	Mineral Extraction	NA																			
	Recreation	✓ 0				/			/							/			/ /		
	Scenic Views	✓ /	/			/ /			/			/		/		/			/ /		
	Parks, Reserves, Monuments	NA																			
	Historical Sites	NA																			
Unique Physical Features	NA																				
Flora & Fauna	Birds	✓	/			/ /			/							/			/ /		
	Land Animals	✓	/	/		/ /			/		/					/			/ /		
	Fish	NA																			
	Endangered Species	None Known																			
	Trees, Grass, Etc.	✓ /	/			/ /										/			/ /		
Phy. Charact.	Surface Water	NA																			
	Underground Water?																				
	Air Quality	✓				/			/							/			/ /		
	Erosion	✓ /	/			/										/			/ /		
	Other																				
Effect On Local Economy		✓ 0	0							0						0					
Safety & Health		✓				/			/						/			/ /			
Others Orig: File BLM - Moah w/o matrix Bog-Dur. State OFG																					

Well No. & Location # 15-1 Sec 15 - 21s - 23E

Grand County, Utah.

ENVIRONMENTAL IMPACT ANALYSIS - ATTACHMENT 2-3

1. Proposed Action

- (1.) Petro Wells Inc. proposes to drill an oil+gas test well w/ rotary tools to approx 1300'.
- (2.) proposes to construct drill pad 150' x 125' and construct a reserve pit 25' x 30' x 6' deep.
3. proposes to construct approx 1,000' of new access road from existing lease road that will need no improvement

2. Location and Natural Setting (existing environmental situation)

The well site is on a flat area next to a dry drainage.

The vegetation is the usual desert shrub with an understory of desert grasses. This vegetation is considered sparse.

The wildlife is mostly small game and predators. There are no known endangered species.

The land is used primarily for winter sheep grazing. it is considered moderately good grazing land except for the lack of water.

There are no known Historical Sites that would be affected, and no evidence of archeological sites was noted.

3. Effects on Environment by Proposed Action (potential impact)

The drilling and completion of ~~a dry hole~~ or failure would have little long term effect on the environment. Discovery of an oil or gas field would have moderate effect in that the area is already a producing oil & Gas field.

There would be moderate scaring of the area which would require 2-3 years to rehab.

The drilling and associated traffic would add a minor amount of pollution to the air as well as temporarily disturbing livestock and wildlife.

4. Alternatives to the Proposed Action

Not Approving the proposed permit.

Denying the proposed permit and suggesting an alternate location where environmental damage would be lessened. No nearby locations could be found that would justify this action.

5. Adverse Environmental Effects Which Cannot Be Avoided

^{MIT}
Temporary disturbance of livestock and wildlife

Temporary mess due to drilling activity and requiring about 2-3 years to rehab.

Detraction from the aesthetics.

Minor air pollution due to exhaust emissions from rig and support traffic.

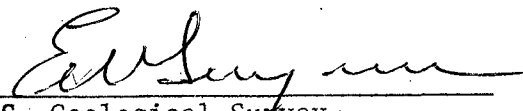
Minor induced and accelerated erosion due to surface disturbance for access road & drill site.

6. Determination

(This requested action ~~does~~ (does not) constitute a major Federal action significantly affecting the environment in the sense of NEPA, Section 102(2) (c).

Date Inspected 1-15-76

Inspector 


U.S. Geological Survey;
Conservation Division
Salt Lake City District
Salt Lake City, Utah



CALVIN L. RAMPTON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple

Salt Lake City, Utah 84116

(801) 533-5771

August 12, 1976

GUY N. CARDON
Chairman

CHARLES R. HENDERSON
ROBERT R. NORMAN
JAMES P. COWLEY
HYRUM L. LEE

CLEON B. FEIGHT
Director

Petro Wells Inc.
P. O. Box 17054
Salt Lake City, Utah 84117

Re: Well No. Curits-Gov't. 15-1
Sec. 15, T. 21S, R. 23E
Grand County, Utah

Gentleman:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above referred to well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3 in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

KATHY OSTLER
RECORDS CLERK



CALVIN L. RAMPTON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple

Salt Lake City, Utah 84116

(801) 533-5771

October 26, 1976

GUY N. CARDON
Chairman

CHARLES R. HENDERSON
ROBERT R. NORMAN
JAMES P. COWLEY
HYRUM L. LEE

CLEON B. FEIGHT
Director

Petro Wells Inc.
P. O. Box 17054
Salt Lake City, Utah 84117

Re: Well No. Curtis-Gov't. 15-1
Sec. 15, T. 21S, R. 23E
Grand County, Utah

Bringing in completion

Gentleman:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above referred to well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3 in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

KATHY OSTLER
RECORDS CLERK

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-148172

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☐ GAS WELL ☐ OTHER ☒

2. NAME OF OPERATOR

Pet ro-Well s Inc.

3. ADDRESS OF OPERATOR

P.O. Box 17054

Salt Lake City, Utah 84117

4. LOCATION OF WELL (Report location clearly and in accordance with State requirements.*
See also space 17 below.)

At surface

1425 S./N. line & 2280' E. W. line Sec15

T. 21 S. R.23E. SLM

14. PERMIT NO.

43-019-30271

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4393 Gr.

12. COUNTY OR PARISH

Grand

13. STATE

Ut ah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐
☐

FULL OR ALTER CASING

☒
☐
☒
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

☐
☐
☐
☐
☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The Operator for Bingham Silver Lead Inc. recommends that the Curtis Gov't

151A be plugged and abandon. A workover rig would be moved on location to pull the 2 3/8" tubing and attempt to shoot off and remove 4 1/2" casing. If successful we will Option No. 1 If unsuccessful then we would follow Option No. 2, .

Option # 1 Recovery of 4 1/2" casing.

1- 15 sk plug 1020'

2- 20 sk plug @j stub of 4 1/2" casing (650 -750) up 100' to tie in across Km shale

3- 12 sk plug 100-155'

4- 5 sk in 7" surface with 4 1/2" marker.

Option # 2 , no recovery of 4 1/2"

1- 20 sk plug at bottom

2- 25 sk plug at 152' and pump sufficient volume of cement down the 4 1/2" and & 7" to displace plug 100' 650-550'

3- Cut off casing @ surface and set marker.

Fill in all holes recondition and restore surface.

18. I hereby certify that the foregoing is true and correct

SIGNED

[Signature]

TITLE

[Signature]

DATE

NOV. 15, 76

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

Supplementary Well Completion Information
Curtis Gov't 15-1A

May 10

Ran 26 joints of used #55 9.5# 4 1/2" casing 1117'
Fleet cementers cemented with 35 sxs, 3% Cl₂ plug
down at 5:45.

May 12

Verbal approval on completion, Ed Gwynn.

May 13

Removed BOP, Rotating head, cut off 4 1/2" casing, set
master valve.

May 14

Birdwell attempted to log, Gamma Ray, could not get
beyond 1070'. Released R-C Drilling Rig and prepared to move
R & R Well Service on location to run casing scraper and drill
out cement. J B Co. set 4 deadmen for R & R work over rig.

May 17

Installed Henderlite wellhead.

May 18

Rigging up. R & R Well Service rig #6. Ran scraper and
drilled out cement to 1070' then drilled to T.D. 1111.66.

May 19

Birdwell arrived at location at 8:30 a.m. Went to bottom
with Gamma Ray log and collar locator to 1106'. Came out, made
up perforating tool. Perforated with 20 jet shots 1078-1088'. No
fluid increase.

Retrieved perforating gun. Removed oil saver, set stripping
head, ran 2 3/8" tubing to 1095'. Commenced swabbing. Fluid
level at 600', recovered bitter brine, drab grey in color; swabbing
2-3 barrels per trip. Swabbed hole dry. No oil or gas recovered.
Allowed to stand over night.

May 20

Fluid level at 400'. Swabbed casing dry after 6 runs. No apparent communication with sand zone. Called in Dowell to give a mud acid treatment. Dowell pumped in:

- 12 barrels KCl
- 15# L 41
- 3 gal of W 27
- 2 gal of A 170
- 500 gal HCL 15%
- 200# KCl, M117

Started pumping at 3:40 p.m. with 1500# pressure, increased to 1750#. Held then increased to 2000#. Formation broke down, fluid injection rate 6 bbls. per minute at 1200#. Shut in 750#. The well flowed back in heads HCl and water. Died in 45 min. Began swabbing at 6:15. Swabbed dry after 5 runs. Shut in over night.

May 21

Started swabbing. The well kicked off with a blow of water and water acid, as well as some inert gas. Fluid level held at 300'. Swabbed well dry after 11 runs. Shut down to evaluate.

May 22

Operator felt that first perforating did not penetrate through cement into the formation. Called in Go International to reperforate same zone with 18 90 gram jet shots from 1178-1186'. No apparent release of fluids or communication with formation after second perforations. Commenced swabbing, ran swab 9 times, recovered black brackish acid water. Shut in overnight.

May 25

Well had 30# pressure on annulus. Opened the valve to release pressure which died immediately. Ran swab. recovered some fluid then swabbed dry. Since no fluid was recovered, operator elected to set Baker retrieveable packer and selectively reacidize same zone previously perforated by Go International. Dowell returned to location, acidized as follows:

12 bbls. of KCl
500 bbls. HCl 15% with additives as before
injected 5 bbls. per min. at 1700# of HCl
Shut in at 750# for 15 min.
Dowell dismantled and well allowed to stand overnight.

May 26

Operator opened well. Flowed back fluid--essentially water and water acid at the rate of 5 bbls. per hr. Commenced swabbing. Well unloaded more water and water acid with H₂S gas. Operator continued swabbing until well was dry then shut in overnight.

May 27

Operator opened well. 0 pressure. Swabbed dry in three runs. Shut down to evaluate second perforations and acidizations. Went to Grand Junction, held conference with all service companies involved in the well completion processes and reported the same to Bingham Silver Lead with a recommendation that we release the work over rig and shut the well in for a short period of time which could allow the formation to break down and establish normal flow into the casing. R & R V ell Service rig #6 released at 3 p.m. Well shut in.

June 16

Tubing pressure 26#. Casing pressure 42#. Opened valve and blew down the well, recovered water and water acid. Died in 2 min. No show of oil or gas.

July 15

Well shut in. 0 pressure casing and tubing.

August

Shut in. 0 pressure casing and tubing. Fluid level: standing surface level.

September

shut in.

October 18

0 tubing and casing pressure. Fluid level: top of annulus.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input checked="" type="checkbox"/>	Other <input type="checkbox"/>		
b. TYPE OF COMPLETION:		NEW WELL <input type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other <input type="checkbox"/>
2. NAME OF OPERATOR Pet ro-Well s Inc.							
3. ADDRESS OF OPERATOR P.O. box 17054, Salt Lake City, Utah 84117							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1425' N/S line and 2280 E/W line Sec. 15, T 21 S, R 23 E At top prod. interval reported below Same At total depth Same							
14. PERMIT NO. 43-019-30271				DATE ISSUED 1-13-76			
15. DATE SPUDDED 3-29-76		16. DATE T.D. REACHED 5-2-76		17. DATE COMPL. (Ready to prod.) 4398 K.B.		18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 4395	
20. TOTAL DEPTH, MD & TVD 1113'		21. PLUG, BACK T.D., MD & TVD -0-		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY Surface 1113'	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 1078-88 Jurassic Morrison sands						25. WAS DIRECTIONAL SURVEY MADE no	
26. TYPE ELECTRIC AND OTHER LOGS RUN Birdwell Induction Electric, Gamma Ray, Densify Borehole Compensated,						27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
new 7"		J55 23# 5		jts. 151.6'		9"	
used 4 1/2"		# 9.5 26 jts		1111.6'		6 1/4"	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2 3/8"		1095'		-no-			
2 3/8"		1073'		1075 Baker Ret		vable	
31. PERFORATION RECORD (Interval, size and number)							
1st. 1078- 1088 20 jet shots 50 gr.							
2nd 1078-1086 18 jet shots, 90 gr.							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
1st S- 1106'				500 gals HCl plus additives			
2nd 1075-1106'				500 gals HCl plus additives			
33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
		Workover rig swabbing after perforation and acidizing				shut in awaiting plugging	
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD	
5-18--5-27		9 days					
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.	
---		---		---		---	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)							
See well report							
35. LIST OF ATTACHMENTS Electric logs, well log report, letter							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <i>Stella</i>		TITLE <i>Petro Wells Inc.</i>		DATE <i>Nov-10, 1976</i>			

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

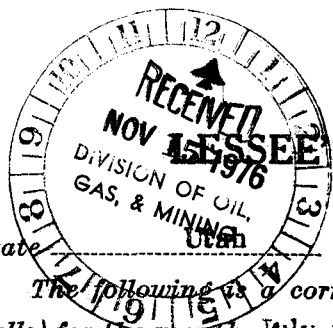
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Dakota ss	680	718	Hd tgt qtz ss. No oil or gas, water wet	Manco Sh.	Surface	
Cedar Mtn. ss	800	812	Congl. ss No shows	Dakota ss	680	
Salt Wash	1078	1160	Oil sat. 0 pressure	Cedar Mtn fm	718	
				Cedar Mtn. ss	800	
				Morrison		
				Brushy Basin	900	
				Salt Wash	1078	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R356.5.
Salt Lake

LAND OFFICE _____
LEASE NUMBER U-148172
UNIT _____



LESSOR'S MONTHLY REPORT OF OPERATIONS

State Utah County Grand Field Cisco Wash

The following is a correct report of operations and production (including drilling and producing wells) for the month of July thru Oct., 1966.

Agent's address P.O. Box 17054 Company Petro-Wells Inc.
Salt Lake City, Utah 84117 Signed [Signature]

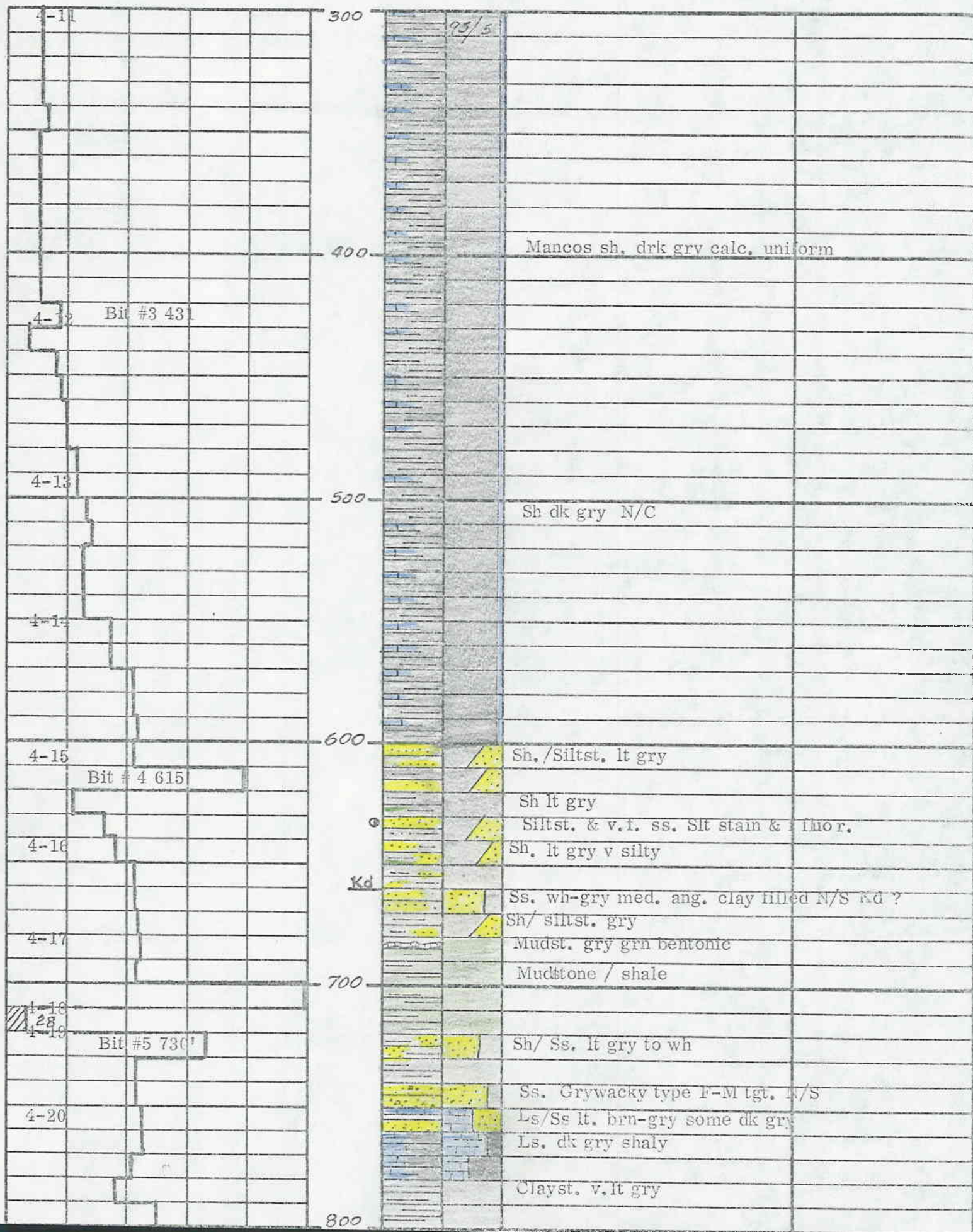
Phone 278-1922 Agent's title [Signature]

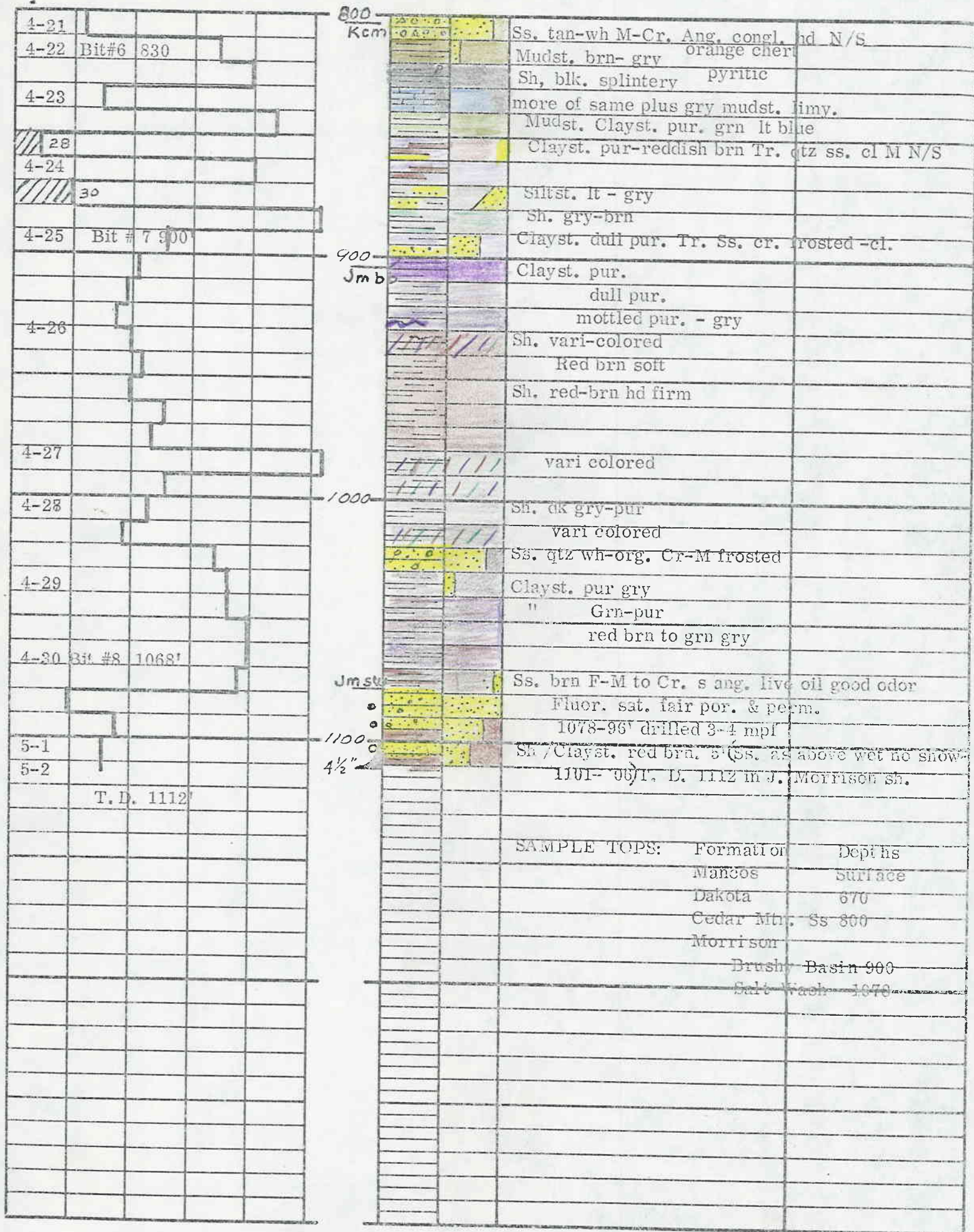
SEC. AND 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NO OIL OF GAS RECOVERED FROM THIS LEASE DURING THIS PERIOD										
										June 16 Tubing pressure 26#. Casing pressure 42#. Opened valve and blew down well, recovered water and water acid. Died in 2 min. No show of oil or gas.
										July 15 Well shut in. 0 pressure casing and tubing.
										August Shut in. 0 pressure casing and tubing. Fluid level standing surface.
										September. Shut in.
										October 18 0 tubing and casing pressure. Fluid level: top of annulus.

NOTE.—There were _____ runs or sales of oil; _____ M cu. ft. of gas sold;

_____ runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.





PETRO-WELLS, INC.

P. O. Box 17054

SALT LAKE CITY, UTAH 84117

P

February 21, 1977

Mr. Ed Gwynn
District Oil & Gas Engineer
U.S. Geological Survey
8426 Federal Bldg.
Salt Lake City, Utah 84111

Re: Lease # U-0148172
Petro-Wells Inc.
Curtis Gov't 15-1A
Sec. 15, T 21 S, R 23 E

Dear Sir:

Enclosed is Form 9-331, Sundry Notice covering abandonment of the Curtis-, Gov't 15-1A well and a copy of the 3-D Velocity log by Birdwell.

Very truly yours,


Lewis F. Wells

LFW:hw

CC: Utah Division of Lands ✓
U V Industries
Bingham Silver Lead

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-0148172

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

U V Industries

9. WELL NO.

Curtis Cov'l 15-1A

10. FIELD AND POOL, OR WILDCAT

Clasco Wash

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

NE1/4 Sec. 15, T 21 S, R 23 E

1.

OIL ☐ GAS ☐
WELL WELL OTHER

2. NAME OF OPERATOR

Petro-Wells Inc.

3. ADDRESS OF OPERATOR

4935 Holladay Blvd. SLC, Utah 84117

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface 2280' E/W line & 1425' S/N line Sec. 15, T 21 S, R 23 E

OLBM

14. PERMIT NO.

43-019-30271

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4393 GR.

12. COUNTY OR PARISH

Grand

13. STATE

Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☒

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Notice of Abandonment:

Feb. 7: P & R well Service moved Rig #18 on location. Rigged up. pulled out 36 joints of 2 3/8" tubing (1110').

Feb. 8: Birdwell ran 3-D velocity log to 1098'. Free point on 4 1/2" casing at 803'. Birdwell ran first shot in hole set at 783'. Shot fired but pipe still stuck. 2nd charge was set at 740'. Fired; 4 1/2" pipe free but pulled very hard, 75000#. Raised 4 1/2" casing 8' when string separated on collar joint two stands from top and dropped back to bottom. Operator was unable to pull balance of casing.

Operator then went back to bottom with 2 3/8" tubing. Dowell set a 35 sack plug at 740', pulled out tubing to base of 7" and cemented 2nd plug at with returns to surface and set 4 1/2" dry hole marker. All other holes were filled and surface restored for abandonment.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

DATE

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY: